

CURRICULUM VITAE

Personal Data

Name Farakos Konstantinos

Place of birth Greece

Studies and position

-University of Athens, 1974-1979 (Bachelor in Physics)

-NRC Democritos, 1979-1981 (Theoretical Physics courses)

-National Techn.University of Athens, Physics Dept., 1981-1984
(Research assistant)

-National Techn.University of Athens, Physics Dept., 1985-1987
(Ph.D. in Theoretical Physics)

-National Techn.University of Athens, Physics Dept., 1987-1991
(Lecturer)

-National Techn.University of Athens, Physics Dept., 1992 - 1999
(Assistant Professor)

-National Techn.University of Athens, Physics Dept., 1999 -
(Associate Professor)

Fellowships

- Two year Science Grant from EEC (NBI, Copenhagen, 1990-1992).

- CERN, corresponding fellowship, May to September 1993.

- CERN, corresponding fellowship, July to September 2004.

- University of Cyprus, Visiting Professor, 2000.

Teaching experience

Mechanics(Physics I) and Electromagnetism(Physics II) in the first and second semester in NTUA for many years, also advanced Electromagnetism and Quantum Mechanics in the Physics Department of NTUA.

Publication List

- 1) MESON MASS CALCULATIONS IN THREE-DIMENSIONAL U(1) LATTICE GAUGE THEORY.
K. Farakos and G. Koutsoumbas,
Phys.Lett.B178:260,1986.
- 2) DIMENSIONAL REDUCTION AND THE HIGGS POTENTIAL.
K. Farakos, G. Koutsoumbas, M. Surridge and G. Zoupanos,
Nucl.Phys.B291:128,1987.
- 3) ESTABLISHMENT AND CALCULATION OF THE MASS GAP IN THREE-DIMENSIONAL SU(2) YANG-MILLS THEORY. K. Farakos, G. Koutsoumbas and S. Sarantakos,
Phys.Lett.B189:173,1987.
- 4) GEOMETRICAL HIERARCHY AND SPONTANEOUS SYMMETRY BREAKING.
K. Farakos, G. Koutsoumbas, M. Surridge and G. Zoupanos,
Phys.Lett.B191:135,1987.
- 5) STRING TENSION IN THE THREE-DIMENSIONAL ABELIAN HIGGS MODEL.
K. Farakos, G. Koutsoumbas and S. Sarantakos,
Z.Phys.C40:627,1988.
- 6) PHASE STRUCTURE OF THE THREE-DIMENSIONAL RADIALLY ACTIVE ABELIAN HIGGS MODEL. K. Farakos, G. Koutsoumbas and S. Sarantakos,
Z.Phys.C40:465,1988.
- 7) THE STANDARD MODEL FROM A GAUGE THEORY IN TEN-DIMENSIONS VIA CSDR.
K. Farakos, D. Kapetanakis, G. Koutsoumbas and G. Zoupanos,
Phys.Lett.B211:322,1988.
- 8) THE LATTICE GEORGI-GLASHOW MODEL IN THREE-DIMENSIONS.
K. Farakos and G. Koutsoumbas,
Z.Phys.C43:301,1989.
- 9) COMPACTIFICATION OVER COSET SPACES WITH TORSION AND VANISHING COSMOLOGICAL CONSTANT. N.A. Batakis, K. Farakos, D. Kapetanakis,
G. Koutsoumbas and G. Zoupanos, Phys.Lett.B220:513,1989.
- 10) RANDOM WALK APPROXIMATION IN A CHIRAL YUKAWA MODEL AND GLOBAL SYMMETRIES. K. Farakos, G. Koutsoumbas and I. Montvay,
Z.Phys.C47:641,1990.
- 11) A U(1)-L X U(1)-R SYMMETRIC YUKAWA MODEL IN THE SYMMETRIC PHASE.
K. Farakos, G. Koutsoumbas, L. Lin, J.P. Ma and I. Montvay,
Nucl.Phys.B350:474,1991
- 12) DYNAMICAL GAUGE SYMMETRY BREAKING ON THE LATTICE.
K. Farakos, G. Koutsoumbas and G. Zoupanos,
Phys.Lett.B249:101,1990.
- 13) HAMILTONIAN FORMULATION AND QUANTUM CONSTRAINT ALGEBRA FOR A CLOSED STRING MOVING IN A CURVED BACKGROUND.
M. Diakonou, K. Farakos, G. Koutsoumbas and E. Papantonopoulos,
Phys.Lett.B247:273,1990.
- 14) QUANTUM CONSTRAINT ALGEBRA FOR A CLOSED BOSONIC STRING IN A GRAVITATIONAL AND DILATON BACKGROUND.
M. Diakonou, K. Farakos, G. Koutsoumbas and E. Papantonopoulos,
Phys.Lett.B240:351,1990.
- 15) HOPPING PARAMETER EXPANSION INVESTIGATION OF A U(1)-L X U(1)-R

- LATTICE YUKAWA MODEL IN THE SYMMETRIC PHASE. K. Farakos and G. Koutsoumbas, Nucl.Phys.B366:665,1991.
- 16) RESONANT $E^+ E^-$ PRODUCTION BY TIME VARYING ELECTROMAGNETIC FIELDS. K. Farakos, G. Koutsoumbas and G. Tiktopoulos, Phys.Lett.B248:163,1990.
- 17) ON SPONTANEOUS PARITY BREAKING IN THREE-DIMENSIONAL GAUGE HIGGS SYSTEMS. Jan Ambjorn, K. Farakos and M.E. Shaposhnikov, Mod.Phys.Lett.A6:3099,1991.
- 18) HOPPING EXPANSION FOR A $SU(2)_L \times SU(2)_R$ CHIRAL YUKAWA MODEL. K. Farakos and G. Koutsoumbas, Phys.Lett.B288:161,1992.
- 19) $1/D$ ESTIMATES OF BOSON AND FERMION MASSES AND THE CRITICAL LINES FOR A $U(1)_L \times U(1)_R$ LATTICE YUKAWA MODEL. K. Farakos and G. Koutsoumbas, Phys.Lett.B291:306,1992.
- 20) PARITY BREAKING AT HIGH TEMPERATURE AND DENSITY. Jan Ambjorn, K. Farakos and M.E. Shaposhnikov, (hep-lat/9205022), Nucl.Phys.B393:633,1993.
- 21) TOPOGRAPHY OF THE HOT SPHALERON TRANSITIONS. Jan Ambjorn and K. Farakos, (hep-lat/9207020), Phys.Lett.B294:248,1992.
- 22) LEVEL CROSSING FOR HOT SPHALERONS. Jan Ambjorn, K. Farakos, S. Hands, G. Koutsoumbas and G. Thorleifsson, (hep-lat/9401028), Nucl.Phys.B425:39,1994.
- 23) 3-D PHYSICS AND THE ELECTROWEAK PHASE TRANSITION: PERTURBATION THEORY. K. Farakos, K. Kajantie, K. Rummukainen and M.E. Shaposhnikov, (hep-ph/9404201), Nucl.Phys.B425:67,1994.
- 24) THE ELECTROWEAK PHASE TRANSITION AT $M(H) \text{ APPROXIMATELY } = M(W)$. K. Farakos, K. Kajantie, K. Rummukainen and M.E. Shaposhnikov, (hep-ph/9405234), Phys.Lett.B336:494,1994.
- 25) 3-D PHYSICS AND THE ELECTROWEAK PHASE TRANSITION: A FRAMEWORK FOR LATTICE MONTE CARLO ANALYSIS. K. Farakos, K. Kajantie, K. Rummukainen and M.E. Shaposhnikov, (hep-lat/9412091), Nucl.Phys.B442:317,1995.
- 26) HIDDEN NONABELIAN GAUGE SYMMETRIES IN DOPED PLANAR ANTIFERROMAGNETS. K. Farakos and N.E. Mavromatos, (cond-mat/9611072), Phys.Rev.B57:3017,1998.
- 27) THREE-DIMENSIONAL LATTICE $U(1)$ GAUGE HIGGS MODEL AT LOW $M(H)$. P. Dimopoulos, K. Farakos and G. Koutsoumbas, (hep-lat/9703004), Eur.Phys.J.C1:711,1998.
- 28) DYNAMICAL GAUGE SYMMETRY BREAKING AND SUPERCONDUCTIVITY IN THREE-DIMENSIONAL SYSTEMS. K. Farakos and N.E. Mavromatos, (hep-lat/9707027), Mod.Phys.Lett.A13:1019,1998.

- 29) GAUGE THEORY APPROACH TO PLANAR DOPED ANTIFERROMAGNETICS AND EXTERNAL MAGNETIC FIELDS. K. Farakos and N.E. Mavromatos, (cond-mat/9710288), Int.J.Mod.Phys.B12:809,1998.
- 30) DYNAMICAL FLAVOR SYMMETRY BREAKING BY A MAGNETIC FIELD IN LATTICE QED IN THREE-DIMENSIONS. K. Farakos, G. Koutsoumbas and N.E. Mavromatos, (hep-lat/9802037), Phys.Lett.B431:147,1998.
- 31) PHASE STRUCTURE OF LATTICE SU(2) X U(S) (1) THREE-DIMENSIONAL GAUGE THEORY. K. Farakos, N.E. Mavromatos and D. McNeill, (hep-lat/9806029), Phys.Rev.D59:034502,1999.
- 32) PROBING THE GAUGE STRUCTURE OF HIGH TEMPERATURE SUPERCONDUCTORS. K. Farakos, G. Koutsoumbas and N.E. Mavromatos, (cond-mat/9805402), Int.J.Mod.Phys.B12:2475,1998.
- 33) VACUUM STRUCTURE OF GAUGE THEORY ON LATTICE WITH TWO PARALLEL PLAQUETTE ACTION. K. Farakos, G.K. Savvidy, (hep-lat/9904014), Mod.Phys.Lett.A14:1753,1999.
- 34) ON MAGNETIC CATALYSIS IN EVEN FLAVOR QED(3). K. Farakos, G. Koutsoumbas, N. Mavromatos and A. Momen, (hep-ph/9905272), Phys.Rev.D61:045005,2000.
- 35) A SEARCH IN GAMMA-RAY BURST DATA FOR NONCONSTANCY OF THE VELOCITY OF LIGHT. John R. Ellis, K. Farakos, N.E. Mavromatos, V.A. Mitsou and D.V. Nanopoulos, (astro-ph/9907340), Astrophys.J.535:139,2000.
- 36) THE ABELIAN HIGGS MODEL IN THREE-DIMENSIONS WITH IMPROVED ACTION. P. Dimopoulos, K. Farakos and G. Koutsoumbas, (hep-lat/9911012), Eur.Phys.J.C16:489,2000.
- 37) QED IN A STRONG EXTERNAL MAGNETIC FIELD: BEYOND THE CONSTANT MASS APPROXIMATION. J. Alexandre, K. Farakos and G. Koutsoumbas, (hep-ph/0004165), Phys.Rev.D62:105017,2000.
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- 40) MAGNETIC CATALYSIS IN QED(3) AT FINITE TEMPERATURE: BEYOND THE CONSTANT MASS APPROXIMATION. J. Alexandre, K. Farakos and G. Koutsoumbas, (hep-th/0010211), Phys.Rev.D63:065015,2001.
- 41) PHASE STRUCTURE OF THE 5-D ABELIAN HIGGS MODEL WITH ANISOTROPIC COUPLINGS. P. Dimopoulos, K. Farakos, C.P. Korthals-Altes, G. Koutsoumbas and S.Nicolis, (hep-lat/0012028), JHEP 0102:005,2001.
- 42) QED(3) WITH DYNAMICAL FERMIONS IN AN EXTERNAL MAGNETIC FIELD. J. Alexandre, K. Farakos, S.J. Hands, G. Koutsoumbas and S.E. Morrison, (hep-lat/0101011), Phys.Rev.D64:034502,2001.

- 43) MULTILAYER STRUCTURE IN THE STRONGLY COUPLED 5-D ABELIAN HIGGS MODEL. P. Dimopoulos, K. Farakos and S. Nicolis, (hep-lat/0105014), Eur.Phys.J.C24:287,2002.
- 44) SPATIALLY ANISOTROPIC FOUR-DIMENSIONAL GAUGE INTERACTIONS, PLANAR FERMIONS AND MAGNETIC CATALYSIS. J. Alexandre, K. Farakos, G. Koutsoumbas and N.E. Mavromatos, (hep-ph/0107223), Phys.Rev.D64:125007,2001.
- 45) REMARK ON THE MOMENTUM DEPENDENCE OF THE MAGNETIC CATALYSIS IN QED. J. Alexandre, K. Farakos and G. Koutsoumbas, Phys.Rev.D64:067702,2001.
- 46) THE PHASE DIAGRAM FOR THE ANISOTROPIC SU(2) ADJOINT HIGGS MODEL IN 5-D: LATTICE EVIDENCE FOR LAYERED STRUCTURE. P. Dimopoulos, K. Farakos and G. Koutsoumbas, (hep-lat/0111047), Phys.Rev.D65:074505,2002.
- 47) FINITE TEMPERATURE Z(N) PHASE TRANSITION WITH KALUZA-KLEIN GAUGE FIELDS. K. Farakos, P. de Forcrand, C.P. Korthals-Altes, M. Laine and M.Vettorazzo, (hep-ph/0207343), Nucl.Phys.B655:170,2003.
- 48) LAYERED HIGGS PHASE AS A POSSIBLE FIELD LOCALISATION ON A BRANE. P. Dimopoulos, and K. Farakos, (hep-ph/0404288), Phys.Rev.D70:045005,2004.
- 49) EFFECTIVE POTENTIAL ANALYSIS FOR 5-D SU(2) GAUGE THEORIES AT FINITE TEMPERATURE AND RADIUS. K. Farakos and P. Pasipoularides, (hep-ph/0406266), Nucl.Phys.B705:92-110,2005.
- 50) ANOMALOUS MAGNETIC MOMENT IN PARITY-CONSERVING QED(3). Jean Alexandre, K. Farakos and N.E. Mavromatos, (hep-ph/0407265), New J.Phys. 7 (2005) 48.
- 51) EXTRA-DIMENSIONS EFFECTS ON THE FERMION-INDUCED QUANTUM ENERGY IN THE PRESENCE OF A CONSTANT MAGNETIC FIELD. K. Farakos and P. Pasipoularides, (hep-th/0410020), Phys.Rev.D71:045011,2005.
- 52) GRAVITY-INDUCED INSTABILITY AND GAUGE FIELD LOCALIZATION. K. Farakos and P. Pasipoularides, (hep-th/0504014), Phys.Lett.B621:224,2005.
- 53) RS2-BRANE WORLD SCENARIO WITH A NONMINIMALLY COUPLED BULK SCALAR FIELD. K. Farakos and P. Pasipoularides, (hep-th/0602200), Phys.Rev.D73:084012,2006.
- 54) CONTROL OF QUANTUM FLUCTUATIONS FOR A YUKAWA INTERACTION IN THE KALUZA KLEIN PICTURE. [J. Alexandre](#) and [K. Farakos](#), (hep-ph/0603016), New J.Phys.8:198,2006.
- 55) THE 4-D LAYER PHASE AS A GAUGE FIELD LOCALIZATION: EXTENSIVE STUDY OF THE 5-D ANISOTROPIC U(1) GAUGE MODEL ON THE LATTICE. P. Dimopoulos, K. Farakos, and S. Vrentzos, (hep-lat/0607033), Phys.Rev.D74:094506,2006.
- 56) GAUSS-BONNET GRAVITY, BRANE WORLD MODELS, AND NON-MINIMAL COUPLING. K. Farakos, P. Pasipoularides, (hep-th/0610010), Phys.Rev.D75:024018,2007.

- 57) PATH INTEGRAL QUANTIZATION OF SCALAR FLUCTUATIONS ABOVE A KINK.
J. Alexandre, K. Farakos, (0704.3563 [hep-th]),
J.Phys.A41:015401,2008.
- 58) GRAVITON LOCALIZATION AND NEWTON'S LAW FOR BRANE MODELS WITH A
NON-MINIMALLY COUPLED BULK SCALAR FIELD.
K. Farakos, G. Koutsoumbas, P. Pasipoularides, (hep-th/0705.2364),
Phys.Rev.D76:064025,2007.
- 59) NEUTRINO OSCILATIONS IN A STOCHASTIC MODEL FOR SPACE-TIME FOAM.
[J. Alexandre](#), [K. Farakos](#), [N.E. Mavromatos](#), [P. Pasipoularides](#),
(0712.1779 [hep-ph]), Phys.Rev.D77:105001,2008.
- 60) ESTABLISHMENT OF THE COULOMB LAW IN THE LAYER PHASE OF A PURE
U(1) LATTICE GAUGE THEORY.
[K. Farakos](#), [S. Vrentzos](#), (0801.3722 [hep-lat]),
Phys.Rev.D77:094511,2008.
- 61) FINITE TEMPERATURE AND CONFINEMENT ALONG THE EXTRA DIMENSIONS
STUDIED ON A FIVE-DIMENSIONAL U(1) LATTICE GAUGE MODEL.
[K. Farakos](#), [S. Vrentzos](#), (0807.3463 [hep-lat]),
Phys.Rev.D78:114502,2008.
- 62) BULK PHOTONS IN ASYMMETRICALLY WARPED SPACE-TIMES AND NON-TRIVIAL
VACUUM REFRACTIVE INDEX.
[K. Farakos](#), [N.E. Mavromatos](#), [P. Pasipoularides](#), (0807.0870 [hep-th]),
JHEP 0901:057,2009.
- 63) NEUTRINO OSCILLATIONS IN A ROBERTSON-WALKER UNIVERSE WITH SPACE
TIME FOAM.
[J. Alexandre](#), [K. Farakos](#), [N.E. Mavromatos](#) and [P. Pasipoularides](#),
(arXiv:0902.3386 [hep-ph]), Phys.Rev.D79:107701,2009.
- 64) LORENTZ VIOLATION EFFECTS IN ASYMMETRIC TWO BRANE MODELS: A
NONPERTURBATIVE ANALYSIS.
[K. Farakos](#),
(arXiv:0903.3356 [hep-th]), JHEP 0908:031,2009.
- 65) ANTI DE SITTER 5D BLACK HOLE SOLUTIONS WITH A SELF-INTERACTING
BULK SCALAR FIELD: A POTENTIAL RECONSTRUCTION APPROACH.
K. Farakos, A. Kouretsis and P. Pasipoularides,
(arXiv:0905.1345 [hep-th]), Phys.Rev.D80:064020,2009.
- 66) SCHWINGER-DYSON APPROACH FOR A LIFSHITZ-TYPE YUKAWA MODEL.
[J. Alexandre](#), [K. Farakos](#), [P. Pasipoularides](#), [A. Tsapalis](#),
(arXiv:0909.3719 [hep-th]), Phys.Rev.D81:045002,2010.
- 67) LIOUVILLE-LIFSHITZ THEORY IN 3+1 DIMENSIONS.
[J. Alexandre](#), [K. Farakos](#), [A. Tsapalis](#),
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- 68) NON-LINEAR SIGMA MODEL AND ASYMPTOTIC FREEDOM AT THE LIFSHITZ
POINT. K. Anagnostopoulos, [K. Farakos](#), [P. Pasipoularides](#), [A.
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- 69) EXPLORATION OF THE PHASE DIAGRAM OF 5D ANISOTROPIC SU(2) GAUGE
THEORY. K.Farakos, S.Vrentzos, (arXiv:1007.4442 [hep-lat]).
- 70) SYMMETRY BREAKING AND RESTORATION IN LIFSHITZ TYPE THEORIES.
K. Farakos, D. Metaxas, (arXiv:1109.0421 [hep-th]).

Publications in Conference Proceedings

- 1) COSET SPACE DIMENSIONAL REDUCTION APPROACH TO THE STANDARD MODEL.
G. Zoupanos, K. Farakos, D. Kapetanakis and G. Koutsoumbas,
In *Les Arcs 1988, Proceedings, Electroweak interactions and unified theories*.
- 2) COSET SPACE DIMENSIONAL REDUCTION OF GAUGE THEORIES.
G. Zoupanos, K. Farakos, D. Kapetanakis and G. Koutsoumbas,
Proceedings of the XXIV International Conference on High Energy Physics (Munich 1988).
- 3) FOUR DIMENSIONAL GAUGE THEORIES FROM THE COSET SPACE DIMENSIONAL REDUCTION SCHEME. G. Zoupanos, K. Farakos, D. Kapetanakis and G. Koutsoumbas,
Proc. of the 3rd Conference of the Hellenic Society for the study of Elementary Particle Physics (NRC "Democritus, 1988).
- 4) DYNAMICAL FERMION DOUBLING AT LARGE BARE YUKAWA COUPLINGS AND GLOBAL SYMMETRIES. K. Farakos, G. Koutsoumbas and I. Montvay,
3rd Hellenic School on Elementary Particle Physics, Corfu, Greece, 1989, *Corfu 1989, Elementary particle physics*.
- 5) THE EXTENDED SIGMA MODEL WITH WILSON FERMIONS AND ASYMETRIC YUKAWA COUPLINGS. K. Farakos, G. Koutsoumbas and I. Montvay.
Proc. of the 4th Physics Conference of the Hellenic Physical Society (Athens, 1989).
- 6) THE FINITE TEMPERATURE PHASE TRANSITION IN THE LATTICE SU(2) HIGGS MODEL. K. Farakos, K. Kajantie, K. Rummukainen and M.E. Shaposhnikov,
Dallas Lattice 1993 Conference, Nucl. Phys. Proc. Suppl. 34:641, 1994.
- 7) ON SPONTANEOUS PARITY BREAKING OF THE ELECTROWEAK THEORY IN THE EARLY UNIVERSE. Jan Ambjorn and K. Farakos,
In *Hiroshima 1991, Proceedings, Electroweak symmetry breaking*.
- 8) SPHALERON TOPOGRAPHY.
Jan Ambjorn and K. Farakos,
Amsterdam Lattice 1992 Conf., Nucl. Phys. Proc. Suppl. 30:711, 1993.
- 9) RESULTS FROM 3-D ELECTROWEAK PHASE TRANSITION SIMULATIONS.
K. Farakos, K. Kajantie, M. Laine, K. Rummukainen and M.E. Shaposhnikov,
Melbourne Lattice 1995 Conf, Nucl. Phys. Proc. Suppl. 47:705, 1996.
- 10) WILSON LINE IN HIGH TEMPERATURE PARTICLE PHYSICS.
S. Bronoff, K. Farakos and C.P. Korthals Altes,
Eotvos Conference in Science: Strong and Electroweak Matter (SEWM 97), *Eger 1997, Strong electroweak matter '97*.
- 11) GAUGE THEORY APPROACH TO PLANAR DOPED ANTIFERROMAGNETICS AND EXTERNAL MAGNETIC FIELDS. K. Farakos and N.E. Mavromatos,
Invited talk at 5th Chia Workshop on Common Trends in Particle and Condensed Matter Physics, Chia Laguna, Sardinia, Italy, 1-11 Sep 1997.
- 12) CATALYSIS OF CHIRAL SYMMETRY BREAKING BY EXTERNAL MAGNETIC FIELDS IN THREE-DIMENSIONAL LATTICE QED.
K. Farakos, G. Koutsoumbas, N. Mavromatos and A. Momen,

Contributed to Conference on Strong and Electroweak Matter (SEWM 98), Copenhagen, Denmark, 2-5 Dec 1998.

In *Copenhagen 1998, Strong and electroweak matter*.

13) EVEN FLAVOR QED(3) IN AN EXTERNAL MAGNETIC FIELD.

K. Farakos, G. Koutsoumbas, N. Mavromatos and A. Momen,
Pisa Lattice 1999 Conf., Nucl.Phys.Proc.Suppl.83:574,2000.

14) BRANES IN THE 5-D ABELIAN HIGGS MODEL.

P. Dimopoulos, K. Farakos, C.P. Korthals-Altes, G. Koutsoumbas
and S. Nicolis. Berlin Lattice 2001 Conf.,
Nucl.Phys.Proc.Suppl.106:950,2002.

15) MULTILAYER STRUCTURE IN THE STRONGLY COUPLED 5-D ABELIAN HIGGS
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Berlin Lattice 2001 Conf., Nucl.Phys.Proc.Suppl.106:956,2002

16) BRANE WORLD SCENARIO IN THE PRESENCE OF A NON-MINIMALLY COUPLED
BULK SCALAR FIELD.

K. Farakos, P. Pasipoularides,
12th Conference on Recent Developments in Gravity (NEB XII), Nafplio,
Greece 2006, hep-th/0609089, J.Phys.Conf.Ser.68:012041,2007.

17) ASYMMETRICALLY WARPED BRANE MODELS, BULK PHOTONS AND LORENTZ
INVARIANCE.

[K. Farakos](#), [N.E. Mavromatos](#) and [P. Pasipoularides](#), 13th Conference
on Recent Developments in Gravity (NEB XIII), Thessaloniki, Greece
2008, arXiv:0902.1243 [hep-th], J.Phys.Conf.Ser.189:012029,2009.

18) HIGHER-DIMENSIONAL MODELS ON THE LATTICE: THE CASE OF THE LAYER
PHASE. K. Farakos,

Universe in a Box: LHC-Cosmology and Lattice Field Theory, Leiden
2009, Invited Talk
(<http://www.lorentzcenter.nl/lc/web/2009/366/presentations>).

19) BRANE MODELS AT FINITE TEMPERATURE: A LATTICE POINT OF VIEW.

K. Farakos, Fifth Aegean Summer School: From Gravity to Thermal Gauge
Theories, Milos 2009
(http://www.physics.ntua.gr/cosmo09/Milos2009/sci_prog.html).

Participation in Conferences

- Gauge theories and their phenomenological implications, Crete, 1980.

- Monopoles in Quantum field theory, Trieste, 1981.

- Progress in Quantum Field Theory, Cargese, 1983.

- Hellenic Schools and Workshops on Elementary Particle Physics, Corfu: 1982,
1985, 1992, 1995, 1998, 2001.

- Conference of the Hellenic Society for the Study of Elementary Particle
Physics (every year from 1984).

- **Spring School on strings and superstrings, Trieste, 1987.**
- **Spring School on conformal Field theory, Trieste, 1991.**
- **Workshop on electroweak matter, Copenhagen, 1991.**
- **Desy Theory workshop, Hambourg, 1991.**
- **Workshop on Strong and electroweak matter, Copenhagen, 1998.**
- **International lattice conference, Berlin 2001.**
- **Network Workshops (Finland 1997, Copenhagen 1998, Corfu 1999, Glasgow 2000.)**
- **Universe in a Box, Holland-Leiden, 2009.**
- **Fifth Aegean Summer School, Milos 2009.**